

WHAT IS CLAIMED IS:

- 1 1. A method of preparing Troponin I, which method comprises protecting free
2 sulfhydryl groups of Troponin I under reducing conditions.
- 1 2. The method according to claim 1, wherein the free sulfhydryl groups are
2 protected by sulfitolysis.
- 1 3. The method according to claim 2, wherein sulfitolysis comprises reacting
2 reduced recombinant Troponin I with sodium tetrathionate.
- 1 4. The method according to claim 1, wherein the recombinant Troponin I is
2 expressed in a bacterial expression system.
- 1 5. The method according to claim 4, wherein the bacterial expression system is
2 an *E. coli* expression system.
- 1 6. The method according to claim 1, which further comprises purifying the
2 sulfhydryl-protected recombinant Troponin I.
- 1 7. The method according to claim 6, wherein the Troponin I is purified by
2 chromatography.
- 1 8. The method according to claim 6, which comprises purifying the Troponin
2 I under non-reducing conditions.
- 1 9. The method according to claim 6, which further comprises deprotecting the
2 sulfhydryl groups from the purified Troponin I..

- 1 10. Troponin I comprising sulphydryl protecting groups.
- 1 11. The Troponin I of claim 10, which is denatured.
- 1 12. The Troponin I of claim 10, wherein the sulphydryl protecting groups are
2 sulfates.
- 1 13. A method of purifying Troponin I, which method comprises subjecting
2 Troponin I comprising sulphydryl protecting groups to chromatography.
- 1 14. The method according to claim 13, wherein the sulphydryl groups are
2 protected by sulfitolysis.
- 1 15. The method according to claim 14, wherein sulfitolysis comprises reacting
2 reduced, denatured recombinant Troponin I with sodium tetrathionate.
- 1 16. The method according to claim 13, which comprises subjecting the Troponin
2 I to chromatography under non-reducing conditions.
- 1 17. The method according to claim 13, wherein the Troponin I is expressed in a
2 bacterial expression system.
- 1 18. The method according to claim 17, wherein the bacterial expression system
2 is an *E. coli* expression system.
- 1 19. The method according to claim 13, wherein a chromatographic support is an
2 anion exchange column.
- 1 20. The method according to claim 19, which further comprises chromatography

- 1 on a hydrophobic interaction chromatographic support.